



Point counts.  
Cursey 1993.  
Konfortnikov Vitaliy





Point counts

Mirnye

7/VI. 70° from village.

(I) 4<sup>22</sup>

*Scerua caliope* - 1s

*Parus montanus* - 1s

*Zooth. dauma* - 1s

*Phyll. borealis* - 1s

*Acutis flammica* - 1c (→)

(II) 4<sup>38</sup>

*Zooth. dauma* - 1s

*Turdus obscurus* - 1s

*Parus montanus* - 2s

*Phyll. proregulus* - 1s

(III) 4<sup>53</sup>

*Phyll. proregulus* - 2s

*Parus montanus* - 1s

*Scia specios* - 1c

*Picoides pydactyle* - 1fr. (1/2)

*Zooth. dauma* - 1s

*Cuculus sativ.* - 1s

*Sitta europ.* - 1s

(14) 5<sup>29</sup>

Phyll. proregulus 1s

Parus montanus - 2s

Cerul. saturatus - 1s

Zooth. alba - 1s

Numenius species - 1s

Phyll. proregulus - 2s

Cerul. canorus - 1s

Turdus obscurus - 1 →

(15) 5<sup>25</sup>

~~Parus montanus~~

Cerulus canorus - 1s

Acanthis flammula - 1c (→)

Parus montanus - 1s

Phyll. proregulus - 1s

Turdus ruficollis - 1c

Phyll. pro. 1s

Cerulus saturatus - 1s

Parus montanus - 1s

Turdus ruficollis - 1s (the same)

(16) 5<sup>44</sup>



*Parus mont.* - (1s + 1e)<sup>±</sup>  
*Artamus loddigsoni* - 1s  
*Pythia* sp. - 1e (50m?)

*Phyll. proregulus* - 1s  
*Parus mont.* - 1s  
*Larva* sp. - 1e (→)  
*Pythia* sp. - 2<sup>+</sup>s  
*Zooth. dauma* - 1s  
*Cuculus caesus* - 1s

(VII) 6<sup>II</sup>

*Parus montanus* - 1e

*Tarsiger cyanurus* - 1s  
*Parus mont.* - 1s + 1e  
*Artamus godgei* - 1s  
*Phyll. proregulus* - 1s  
*Zooth. dauma* - 1s

(VIII) 6<sup>II</sup>

*Phyll. proregulus* - 1s  
*Tarsiger cyanurus* - 1s  
*Zooth. dauma* - 1s  
*Cuculus caesus* - 1s  
*Cer. sacrorum* - 1s  
*Turdus obscurus* - 1s  
*Phyll. proregulus* - 1s



(IX) 6<sup>27</sup>

Phyll. pro. - 1s

Phyll. procelus - 1s

Zooth. dauma - 1s

Turdus obscurus - 1s

Tars. cyaneus - 1s

Cuculus canorus - 1s

Cuc. saturatus - 1s

Ficedula parva - 1s

Loxia sp. - 1c

Micropera caryocat. - 1c?

(X) 6<sup>42</sup>

Pyrrh. sp. - 1c

Parus mont. - 2s

Phyll. proreg. - 1s

Cuculus canorus - 1s

Dendrocopos major - 1c?

Emberiza caesia - 1s

Zooth. dauma - 1s

Turdus ufricollis - 1s

Sitta europ. - 1c

Acanthis flammula - 1c (->)



- 10 (X)
1. 0 (moss 95, leave litter 5, grass < 1)
  2. 0 (m 20, ll 60, g 20)
  3. 0 (m 80, ll 19, g 1)
  4. Picea, 2m (m 50, ll 49, g 1)
  5. Betula, 15m (m 80, ll 18, g 2)
  6. Betula, 9m (m 45, ll 45, g 10)
  7. 0 (— — — —)
  8. Salix, 4m (m 48, ll 48, g 4)
  9. Betula, 5m (m 49, ll 49, g 2)

Canopy: Populus 20 Picea 20  
 Betula 20 Pinus sibir 20  
 Pinus syl 20 (Sky 60)

- (18)
1. 0 (m 49 = ll, g 2)
  2. 0 (m 80, Vaccinium 20)
  3. Betula, 7 (m 40 = ll, g 20)
  4. Betula, 6 (m 30, ll 60, g 10)
  5. Bet, 3 (m = ll = g = 33.3)
  6. Pinus sibir, 3 (g = ll = 40, m 20)

~~grass = Equisetum, fern, Vaccinium and other green small plants~~



7. 0 (w = ll = 48, g 4)  
 8. Picea, 2 (w = ll = 40, g 20)  
 9. Bet, 4 (-4-4-)

Canopy: Populus, 10 Picea, 30  
 Betula, 30 (Sky 50)  
 Picea sibir, 30

- VIII 1. 0 (ll 70, w 25, g 5)  
 2. Picea, 2 (g 10, w 45 = ll)  
 3. 0 (w 80, ll 19, g 1)  
 4. 0 (w 85, g 5, ll 10)  
 5. Abies, 4 (g 20, ll 80)  
 6. 0 (g 10, w 45 = ll)  
 7. 0 (g 1, w 10, ll 89)  
 8. Abies, 2 (g 5, w = ll = 95/2)  
 9. Bet, 1x (ll 80, g 5, w 15)

Canopy: Picea = Bet = Populus = Abies = Pin. sib.  
 = 20 (Sky = 30)

- VII 1. 0 (w 80, ll 18, g 2)  
 2. 0 (ll 60, w 39, g 1)  
 3. 0 (g 2, w = ll = 98/2)  
 4. Abies, 4 (w 80, g 2, ll 18)  
 5. 0 (g 5, w 50, ll 45)  
 6. Picea, 4 (g 10, w = ll = 45)



7. Picea, 5 (g 20, u 10, ll 70)
8. Pinus sib., 3 (g 2, u = ll = 98/2)
9. 0 (g 3, u = ll = 97/2)

Canopy: Picea = Abies = Bet = Pin. sib = 25  
(Sky 50)

- (vi) 1. 0 (ll 70, u 29, g 1)
- 6 2. Picea, 3 (g 10, ll 45, u 45)
3. 0 (g 2, ll = u = 98/2)
4. Bet, 15 (g 1, ll = u = 99/2)
5. Pin. sib., 3 (ll 90, g 1, u 9)
6. 0 (g 5, ll = u = 95/2)
7. 0 (-4-4-)
8. 0 (ll 60, u 37, g 3)
9. Picea, 4 (g 10, ll 60, u 30)

Canopy: Picea 30 Pin. sib. 40  
Betula 25 Populus 5  
(Sky 50)

- (i) 1. 0 (ll 80, u 10, g 10)
- 5 2. Pin. sib., 3 (ll 70, g 30)
3. 0 (g 10, u 40, g 30)
4. 0 (g 10, u 30, ll 60)
5. 0 (g 5, ll 75, u 20)
6. Picea, 4 (g 5, u 70, ll 25)



7.  $o(g^2, u_3, ll 95)$   
 8.  $o(ll 80, g 5, u 15)$   
 9.  $o(g 5, ll = u = 95/2)$   
 Canopy: Picea 23 Pin. sib. 50  
 Bet 23 Populus 4  
 (Sky 60)

(iv) 1.  $o(ll 70, u 30, g < 1)$   
 2.  $o(g 1, u 5, ll 94)$   
 3. Picea, 2 ( $g 5, u 5, ll 90$ )  
 4.  $o(---)$   
 5.  $o(g 1, u 2, ll 97)$   
 6.  $o(g = u = 3, ll 94)$   
 7.  $o(g = u = 5, ll 90)$   
 8.  $o(g < 1, water 1, ll 99)$   
 9.  $o(g 1, water 20, ll 79)$   
 Canopy: Bet 35 Picea 8, bir 5  
 Picea 60 Sky 60

(v) 1.  $o(g 2, u = ll = 98/2)$   
 2. Betula, 10 ( $g = u < 1, water 10, ll 90$ )  
 3. Picea, 3 ( $g 5 = u, ll 90$ )  
 4.  $o(g 5 u 10 ll 85)$   
 5. Picea sibirica, 6 ( $g 5 = water, u = ll = 45$ )



6. o (ll 70, m 29, g 1)
  7. Pin. sib. 4 (g 1, m 5, ll 95)
  8. Pin. sib. 4 (g 2, m 2, ll 96)
  9. o (g 1, m = ll = 99/2)
- Canopy: Bet. 20      Pin. sib. 55  
                  Picea, 20      Populus, 5

(Sky: 50)

- ① 1. o (g 2, m 3, ll 95)
2. 2. o (g 2, ll = m = 98/2)
3. o (g 5, m 20, ll 75)
4. o (g 20, m = ll = 40)
5. o (g 30, m 30, ll 40)
6. o (g 5, m 20, ll 75)
7. Bet. 5 (- - - - -)
8. o (g 40, ll 60)
9. o (g = m < 1, ll 100)

Canopy: Pin. sib. 60      Bet. 40  
                  Picea < 1      (Sky 70)

① Betula - Pinus sylv. - Populus ~~for~~ young  
 1 forest with Salix (H 3-5 m) + some Piceas, Larix.

1. o (g 5, dry <sup>ll</sup> grass 95)
2. o (- - -)
3. Betula, 3 (g 5, ll + dg 95)



4. 0 (g 1, ll + dg 9 3)

5. 0 (-u-u-u-)

6. 0 (-u-u-)

7. 0 (-u-u-)

8. Betula, 3/(-u-u-)

9. 0 (-u-u-)

Canopy: Bet 70

Picea 5

Pinus sylv. 15

Salix 5

Populus 5  
(Sky 70)



9/VI Flood plain, left bank  
a lot of water ( $\approx 50-70\%$ )

(I) 6<sup>24</sup>

11

Phyl. borealis - 1s

Zoothera s. borealis - 2s  
Turdus illiaea - 1s  
Xenus cinerea - 1s  
Phyll. borealis - 2s  
Lanius saturat. - 1s  
Phyll. collyb. - 2s  
Lanius cinereus - 1s

Phyll. collyb. - 1s

Turdus pilaris - 1e  
Crex crex - 1s

(II) 6<sup>36</sup>

12

Turdus ill. - 1s

Lanius sat. - 1s

Sylv. cur. - ~~1s~~ 2s

Phyll. coll. - 1s

Phyll. borealis - 2s

Turdus philomelos - 1s

? Picoides tridactyla - 1e

Phyll. coll. - 1s

Pyrrhula sp. - 1e

Lanius sat. - 1s

Cuc. can. - 1s

Callinago gallinago - 1s



(III) 6<sup>21</sup>

Emberiza pusilla - 1s  
Phyll. boreal. - 1s

Caprodacus cytharus - 1s  
Cuc. sat. - 2s  
Phyll. bor. - 2s  
Phyll. coll. - 1s  
Zooth. sibirica - 1s  
Turd. ruficoll. - 1s  
Cuc. cau. - 1s  
Turd. ill. - 1s  
Tringa ochropus - 1s

Ficedula parva - 1s

Sylvia eurroica - 1s  
Fringilla montifr. - 1s  
Larus cinerea - 1s

(IV) 7<sup>07</sup>

Sparus spinus - 1c (→)  
Phyl. trochiloides - 1s

Phyll. trochil. - 1s  
Cuc. sat. - 1s  
Cuc. cau. - 1s  
Pyrrhula sp. - 1s  
Turd. ill. - 1s  
Zooth. sibirica - 1s  
Sylv. eur. - 1s  
Corvus corax/cornix - 1c



Callinago gall. - 1s

Phyll. mont. - 1s  
Fring. montif. - 1s  
Parus montan. - 1s

(V) 7<sup>42</sup>

15 Turd. ill. - 1s  
Fring. montif. - 1s  
Phyll. mont. - 1s  
Ag. thal. caudatus - 1c

Pyrh. sp. - 1c  
Turd. refulg. - 1c  
Fring. montif. - 1s  
Phyll. boreal. - 2s  
Phyll. collyb. - 1s  
Callin. gallin. - 1s  
Phyll. mont. - 1s  
Sylv. curv. - 1s  
Regulus regulus - 1s

(VI) 7<sup>47</sup>

16 Phyll. mont. - 2s  
Eub. pusilla - 1c

Zooth. sobrina - 1s  
Turdus illice - 2s  
Phyll. borealis - 1s  
Eub. pusill. - 1s  
Cucul. sat. - 1s  
Sylv. curv. - 1s  
Phyll. coll. - 1s  
Callin. gallin. - 1s  
Acanthis flammea - 1c (7)



*Turd. ruficoll.* - 7 } *Cerculeanus* - 18

(VII) 8<sup>02</sup>

*Capodacus erythrinus* - 18  
*Phyll. inornatus* - 28

17

*Phyll. inorn.* - 18  
*Fringilla mont.* - 18  
*Callin. gallin.* - 18  
*Phyll. borealis* - 18  
*Zooth. sibir.* - 18  
*Sylv. curruca* - 18  
*Spizus spizus* - 18 (→)  
*Cercul. sat.* - 18  
*Turd. illiaca* - 18  

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*Sterna limudo* - 1c  
*Dendrocopus major* - 1 fr.  
*Turdus ruficoll.* - 1c

18

(VIII) 8<sup>15</sup>

*Phyll. inorn.* - 38  
*Turd. ruficoll.* - 1c

*Zooth. sibirica* - 18  
*Capodacus erythrinus* - 18  
*Turdus illiaca* - 18  
*Callinago gallin.* - 18  
*Cer. sat.* - 18  
*Fring. montifr.* - 18  
*Turdus pilaris* - 1c  
*Turd. ruficollis* - 1c



*Eub. pusilla* - 1s

*Phyll. borealis* - 2s  
*Merus cinerea* - 1s  
*Tringa ochropus* - 1c

(IX)

8<sup>30</sup>

*Phyll. juv.* - 1s

*Phyll. bor.* - 1s

*Ph. juv.* - 1s

*Ph. borealis* - 1s

*Turd. ill.* - 2s

*Turd. ruficoll.* - 2s

*Capod. erythr.* - 1s

*Callu. gall.* - 1s

*Fring. montif.* - 1s

*Emberiza pusilla* - 1s

*Eub. pusil.* - 1s (50m?)

*Sepla. cur.* - 1

*Turd. illiaca* - 1s

19



19

(IX)

grass 45  
Picea 45  
Salix 45

Bird cherry 10  
(Sky 40-50)

grass 30 dry grass 20 ll 35 water 10

1. 0 3. alnus/alnaster, 2 5. alnus/alnaster, 2  
2. Salix, 3 4. Bird cherry, 2

18

(VIII)

Picea 2.5 alnus/alnaster 40 Bird cherry 35  
Abies 2.5 Salix 20

1. Pie, 12 3. alfal, 2 5. alfal, 3  
2. 0 4. Beh, 3

17

(VII)

Pie 5 ab 0.5 Sal 20 beh 3 alfal 20  
(Sky 30)

1. alfal, 2 3. Sal, 4 5. 0  
2. Sal, 4 4. 0

16

(VI)

Pie 0.5 ab 0.5 Bet 1 Sal 50 beh 18 alfal 30

1. 0 3. alfal, 3 5. alfal, 2  
2. beh, 2 4. 0

~~\*\* grass(g) = Eq + F + Vac + other green small plants~~



15 (v) Pic 0,5 Ab 0,5 Bet 5 Sal 50 Alfal 30 Beh, 14  
 (Sky 20) 1. Alfal, 4 3. Bet, 4 5. Alfal, 3  
 2. Pic, 3 4. Sal, 2  
 u 70 (g 10 ll 90), ll 20, g = u = 5

14 (iv) Pic 1 Ab 1 Bet 10 Sal 28 Alfal 50 Beh 10  
 (Sky 20) 1. Alfal, 2 3. Alfal, 4 5. Sal, 3  
 2. 0 4. Beh, 15  
 u 90 (g 1, ll 100), ll 6, g 1, u 3

13 (iii) 1. Alfal, 4 3. Ab, 2 5. Alfal, 3  
 2. Alfal, 4 4. Alfal, 4  
 Ab 1 Pic 1 Bet 5 Sal 45 Alfal 45 Beh 4 (Sky 20)  
 g 40 u 10 dg 20 ll 30

12 (i) 1. Sal, 3 3. Alfal, 4 5. Sal, 4  
 2. 0 4. Alfal, 2  
 Sal 40 Pic 1 Ab 1 Alfal 50 Beh 10 (Sky 20)  
 g 70 ll 25 dg 5

(ii) - 22  
 00



13/VI left bank, Taiga

(I) 66<sup>36</sup> ?

10

	Plegill. prae. - 1s, 60
	Cerc. saten. 1s, 1500
	Cerc. cau. 1s, 2000
	Circel. chrysophrys? 1s, 200
	Autlus godysow 1s, 500
Frag. caout. - 1c (4)	Sit. europ. - 1c, 200
	Muc. car. 1c, 300

(II) 66<sup>49</sup> ?

21

Fic. ungriae - 1s	Fic. ungriae 1s, 150
Muscicapa sibir - 1s	Cerc. cau. - 1s, 1000-2000
	Plegill. praeq. 1s, 300
	Mus. sibir. - 1s, 100
	Circel. sat. - 1s, 1000
	Pyrrh. sp. - 1c, 150
	Booth. sibirica 2s, 600
	(Turd. obscur?)
	Turd. ill. - 1s, 700



⑬ ~~6/17~~ 7<sup>23</sup> ?

Parus mont. - 1c

22

Par. mont - 1s, 150  
1s, 200

Phyll. pror. - 1s, 100

Tarsig. cayan. - 1s, 200

Sit. europ. - 1c, 200

Cer. sat. - [1s, 4000]

Cer. cau. [1s, 1500]

Fic. uugimaki [1s, 150]

Tard. obscur. - 1s, 300

Lorio sp 1c, 70, →

Dendroscopus sp / Picoides tr. - 1c, 200

⑭ ~~6/17~~ 7<sup>27</sup> ?

Auth. godgs. - 1s (500?)

23

Par. mont - 1c, 70

Phyll. pror - 1s, 100

Fr. montif. - 1s, 200

Sit. europ. - 1c, 150

Cerul. sat. [1s, 1500]

Tar. obscur. [1s, 400]

Pyrrhula sp [1c, 150]

Lorio sp - 1c, 100, →

Parus ater, - 1s, 300



(L) 7377

24

Tars. eyau. - 18,300  
Plyll. pror. 18,150  
Dryocopus uirt. - 1c,500  
Leria sp. - 1c,100, →  
1c,50, →  
1c,150, →  
Fria. uirt. - 18,500, →

25

Leria sp. - 1c,100, →  
Pygula sp. - 1c,200  
Wuc. caryoc. - 18,500  
Pasis montanus - 18,500

(U) 7457

Tetrastes boreas - 18

Plyll. moru. - 1c,150  
18,100

Tars. eyau. - 18,300  
Wuc. car. 1c,300

Plyll. pror. - 18,500  
Leria sp. - 1c,100, →

Leria sp. - 1c,200, →  
1c,300, →

Auth. ludgovi - 18,200



(VII) 7<sup>87</sup>

Phyll. inorn. - 28

26

Phyll. inorn. - 18, 100

Cec. canorus 18, 500

Tend. ruficollis - 1c, 200

Eucheriza chrysophrys ? - 18, 100

#

26

(VII)

1. Pop, 20

3. Xar, 4

5. Bet, 15

2. Bet, 10

5. Bet, 4

~~bet~~ Forest  
Betula forest  
near barn

H 22m. Sky 10

Bet 50 P&B 39 Pop 5 Xar 5 Pic 1

ll 60 g 10 m 30

25

(VI)

1. Xar, 15

3. Pic, 2

5. Bet, 3

2. Bet, 17

4. Pic, 3

H 20 Sky 10

Bet 50 Xar 40 Pic 10

g 30 dg 30 ll 30 m 10

24

(VI)

1. P&B, 2

3. Xar, 20

5.0

2. Xar, 20

4.0

H 25 Sky 20

Xar 20 Bet 8 Pop 20 P&B 1 alfal 1

~~g 50 ll 50~~



23 (IV) 1. P&B, 10 3. Bet, 20 5. Bet, 7  
2. Bet, 17 4. Pop, 20  
H 25 Sky 20

Pop 38 dar 10 Pic 1 P&B 50 Bet 10  
g 45 ll 45 w 10

22 (III) 1. a/fal, 2 3. Bet, 6 5. Bet, 20  
2. dar, 4 4. P&B, 8

H 20 Sky 10

Pop 10 P&B 40 Bet 40 dar 5 a/fal 5  
g 35 w 35 ll 30

21 (II) 1. Bet, 10 3. Bet, 10 5. Bet, 12  
2. 0 4. Pic, 3

H 25 Sky 10

dar 30 Pic 5 Bet 30 P&B 5 Pop 25 a/fal 5  
g 40, dg 10, ll 45, w 5

20 (I) 1. Bet, 7 3. Bet, 6 5. P&B 15  
2. Bet, 4 4. 0

H 20 Sky 10

Bet 51 Pic 3 P&B 40 a/fal 3 dar 3  
g 40 dg 20 ll 35 w 5



Island Vampire, ill. Osimoro

16/VI

Island Vampire, ~~Salex bushes~~

on Koneca abueka no koo merye Preecey

4 zambar (I-III)

(V)

+ Abies. all water all (VI-VII)  
a band of Salix on the ~~road~~ between Tursey and  
+ Abies forest (VI-VII) sand bar

(I-V)

(I) 6 52

Phyll. fuscatus - 18

desc steerca - 18

Phyll. coll. - 18, 60

Phyll. fusc - 18

Sterna hirundo - 1e, 500

Larus calurus - 1e, 500-1000

Circ. canorus - 18, 1500

Circ. saten. - 18, 1500

Corvus ~~corax~~ sp. - 1e, 1000 →

Ember. aureola - 18, 300

Xenus cinerea - 18, 500

Corvus corax - 1e, 500

Anas crecca - 1e, 500



(II) 7<sup>08</sup> Euker. stercorarius - 1s  
 Luscinia svecica - 1 pair  
 28 Euk. aur - 1s

Xenus cinerea 1s, 300  
 1s, 300  
 Phyl. coll. - 1s, 200  
 Cucul. sat. [1s, 1000]  
 Cucul. can. [1s, 1000]  
 Cuc. can. - 1s, 500  
 Actith. hypel. - 1s, 300  
 Sterna hirundo - 1c, 200  
 Euker. aureola - 1s, 200  
 1s, 100

(III) 7<sup>21</sup>  
 Euker. aureol. - 10s  
 29 Luscinia svecica - 1s

Sterna hirundo [1s, 100]  
 Xenus cinerea [1s, 70]  
 Phyl. borealis - 1s, 100  
 Cucul. sat. [1s, 1000]  
 Cucul. can. [1s, 1000]  
 Luscinia aureola [1s, 200]  
 Actithus hypoleuca [1c, 100]  
 Phyl. coll. [1s, 200]  
 Cygnus cygnus - 4+, 300  
 Xenus (argu?) - 1s, 500  
 Sterna hirundo - 1c, 100  
 Cuc. canorus [1s, 1500]



(12) 7<sup>36</sup>

Phyll. fuscata - 18

30

Ember. aureol. - 18, 100

Phyll. borealis  $\frac{18,300}{18,100}$

Phyll. coll. - 18, 100

Neris montana - 10, 200

Cygnus cygnus  $\frac{4^+, 100}{18,200}$

Actith. hyp. - 18, 200

Merula migrans - 1, 70

Actith. hyp. - 18

diotac alba - 60,  $\rightarrow 10$

(13) 7<sup>47</sup>

Neris. suecica - 18/500?

31

Phyll. coll.  $\frac{18,100}{18,150}$

Cygn. cygnus  $\frac{4^+, 100}{18,150}$

Merul. sater  $\frac{18,150}{18,300}$

Ember. aureol.  $\frac{18,300}{18,300}$

Phyll. fuscata  $\frac{18,300}{18,200}$

diot. alba  $\frac{18,200}{18,200}$

Ember. aureol. - 18

Merul. cau. - 18, 500

Corvus sp. - 10, 300



(vi) 8<sup>04</sup>

32

Phyll. coll. [18,70]

[18,150]

Cypripus cygnus [10,200]

Clucul. canorus [18,1500]

Zooth. sibirica - 18,400

Parus ater - 18,300

Sylvia borja - 18,500

Actith. hypol. [18,600]

(vii) 8<sup>22</sup>

Fring. montif. - (18 + 100) +

Turd. ill. - 1 pair, con.

Muscicapa sibirica - 1 con

Zooth. sibirica - 18

33

Fr. montif. - 18,100

Parus ater - 10,70

Turd. ill. - 18,150

Corvus sp. - 18,100  
(corone/corux)

Zooth. sibirica - 18,150

Muscicapa sibirica - 18,400

Turd. philomelos - 18,200

Phyll. montif. - 10,100



33 (vi) 1. ab, 15 3. ab, 7 5.0

7. ab, 12 4. ab, 17

H 25 Sky 10

ab 95 bet 4 alfal 11, bel 1

g 90 w 5 ll 5

32 (vii) 1. bel, 4 3.0 5. bel, 2

2. bel, 2 4.0

H 20 Sky 20

ab 5 bel 67 alfal 1 sal 27

g 80 ll 20

31 (v) 1.0 3. sal, 2 5.0

2.0 4.0

H 3 Sky 60

sal 100

g 45 dg 45 w 10

30 (ii) H 25 Sky 90

sal 100

g 60 dg 20 soil 20

29 (iii) -4-4-

g 40, soil and stones 20, dg 10, water 30

abies forest

Salix-Bel  
band on the  
border of abies  
forest with  
some abies.

A band  
of Salix 10m  
wide +  
meadow  
~~2 bands~~  
of Salix 10m  
and -4-4 +  
meadow +  
Salix-Bel band  
of abies forest

-4-4-



28 ① 1.0 3.0 5. Salix, 2

2. Salix, 2 4.0.

H 2, Sky 70  
Salix too

a more thick  
band of Salix  
10-30m wide  
+ meadow

g 55 dg 35 soil to W5

29 ① 1.0 3.0 5. Sal, 3  
2.0 4 Sal, 2

H 2.5 Sky 50  
Salix too

-4-4-

g 1, u 10, soil 89

f



18/11 Right Bank, ~~near Osino~~ ~~is near~~ ~~near island~~  
 Vampier. Betula forest.

6  
 (I) Zooth. sibirica - 18  
 34  
 Anthus godg. - 18, 100  
 Fring. montif. - 18, 100  
 Cerul. canor. - 18, 1000  
 Phyll. coll. - 18, 70  
 Acrocephalus dimet. - 18

(II) Lusc. cyane - 18  
 35  
 Fr. mont. - 18, 200  
 18, 200  
 Parus montanus - 18, 150  
 Aer. duetor. [18, 200]

(III) 36  
 L. cyane [18, 200]  
 Phyll. trochiloides - 18, 100  
 Parus montanus - 18, 100?  
 Fring. montif. [18, 150] ✓

(IV) Fring. mont. - 18  
 37  
 Phoeniceus phoen. - 18, 300  
 Fr. montif. - 18, 100



(v)

38 Phyll. montanus - 1s + 1c } Phoenic. phoenic. [1s, 100]  
Fring. montif. - 1s } Fr. montif. - 1s, 150  
Circul. satius - 1s, 1500  
Sitt. europ. - 1c, 30, →

(vi)

39 Phyll. mont. - 1s } Parus ater - 1s, 200  
Par. montanus - 1s } Parus montan. - 1s, 100  
1s, 300  
Loria sp. - 1c, →, 50

(vii)

40 Phoenic. phoenic. [1s] } Phoenicurus phoenic. - 1s, 300  
Sitta europ. - 1c } Phyll. brealis - 1s, 70

(viii)

41 Accipiter gentilis - 1 } Anthus godg. - 1s, 200  
Circul. satius - 1s, 1500  
Fring. montif. - 1s, 70  
Phyll. prereg. - 1s, 200  
Accipiter gentilis - 1c, 100, →  
Phoenic. phoenic. [1s, 100]



(X) Fring. montif. fls  
 42 Anthus godys. fls  
 Phyll. proreg. fls  
 Tard. ruficollis - 1c  
 Sitta europ. - 1c

Anthus godys. - 1s, 150  
 Cucul. saten. - 1s, 500

Emberiza chrysophaea - 1s, 150

(X) 43

Phyll. proreg. - 1s, 100  
 Cucul. sat. - 1s, 70  
 Tard. obscurus - 1s, 400

Fring. montifringilla. fls

43

(X) 1. Bet, 5 3. Ab, 5 5. Bet, 5  
 2. Ab, 4 4. Sor, 3

H 19 Sky 20

Bet 50 Pop 5 Alb Pie 2 Abs 186 30 Sor 1

g 50 w 10 ll 40

(IX) 1. Bet, 4 3. Sor, 3 5. 0

42 2. Ab, 10 4. 0

H 18 Sky 10

Bet 55 & P 86 35 Pie 2 Sor 2 Ab 6

g 45 ll 50 w 5



41 (VIII) 1.0 3. Bet, 10 5. Bet, 7  
2. Bet, 12 4. Bet, 10  
H20 Sky 10  
Blt 89 Pop 10 Sor 1 Alb 1  
g 70 dg 5 ll 25

40 (VI) 1. Bet, 9 3. Bet, 4 5. Pop, 12  
2.0 4. Bet, 15  
H20 Sky 10

1 Bet 85 Pic 1 Alb 2 P86 5 Pop 5 Sor 1 Nas 1 Alb 1  
g 90 dg 5 ll 5

39 (VI) 1. Sor, 3 3. Sor, 2 5. Bet, 3  
2. Bet, 10 4. Bet, 6

H20 Sky 5  
Blt 55 Pop 35 Alb 5 Alb 2 Pic 1 P86 1  
g 80 ll 20

38 (V) 1. Blt, 3 3. Bet, 6 5. Pop, 6  
2. Bet, 3 4.0

H20 Sky 10  
Bet 70 Alb 2 Sor 1 Pop 25 Pic 1 Nas 1  
g 80 dg 2 ll 18

37 (IV) 1. Bet, 9 3. Alb, 3 5. Bet, 10  
2. Bet, 12 4.0  
H20 Sky 10



Bet 88 Alt 1 Sor 1 Pop 5 Ab 2 Pic 3 Psh 1  
990 ll 10

36 (11) 1 Bet, 8 3. Bet, 10 5. Bet, 13  
2. Bet, 7 4. Nor, 12

H 20 Sky 10

Bet 75 Nor 5 Ab 2 Pic 3 Pop 15

970 dg 2 ll 28

35 (11) 1. Alt, 2 3.0 5. Nor, 12  
2. Bet, 7 4. Bet, 9

H 20 Sky 10

Pic 3 Nor 5 Ab 1 Sor 2 Alt 7 Psh 1 Bet 81

Steep slope ~~with~~, stream with thick  
~~brush~~ shrubbery.

990 dg < 1 ll 10

34 (11) 1 Bet, 9 3. Bet, 12 5. Bet, 15  
2 Bet, 16 4. Bet, 12

H 25 Sky 5

Pic 1 Ab 1 Sor 1 Bet 97

980 dg 5 ll 15

Near Carsey;  
there are some  
shrubbery



19/11 Taiga, left bank, near island

5<sup>30</sup>

(I) 44

Phyll. coll. - 1s, 80  
 Pyg. sp. - 1c, 100  
 Phyll. proreg. - 1s, 150

(II)

45

Parus mont. - 1c  
 Loxia sp. - 1c, →

Zoothusa clausa - 1s, 1000  
 Ficedula ussuriensis - 1s, 100  
 Meacthis flammea - 1s, 70, →  
 Dendrocop. major - 1s, 200  
 Phyll. proreg. 1s, 200  
1s, 300  
1s, 70

Turd. cerif. coll. - 1c

(III) 46

Fic. ussuriensis - 1s, 80  
 Phyll. proreg. - 1s, 100  
 Par. montanus - 1s, 100  
 Streptopelia orient. - 1s, 400  
 Parus ater - 1s, 150  
 Phyll. coll. - 1s, 150



(12)

47

Phyll. proreg. - 1/8, 100  
 Aeris undat. - 1/8, 100  
 Phyll. coll. [1/8, 100]  
 Fic. unguis [1/8, 150]  
 Sit. eero. - 1c, 150  
 Cic. canus - 1/8, 1500  
 Zooth. drama [1/8, 1000]  
 Acanth. flamma - 1c, 70, 4  
 Dendrocop. waj [1/8, 500]  
 Cercul. satia - 1/8, 1500  
 Streptopelia orientalis - 1/8, 100

(13) Phyll. proreg. - 1/8  
 Aeris undat. - 1c

48

Dendrocop. waj - 1/8, 400  
 Sit. eero. - 1c, 100  
 Fic. unguis [1/8, 150]  
 Acanth. fl. - 1c, 100  
 Streptop. orient. [1/8, 300]  
 Zooth. drama [1/8, 1000]  
 Cercul. canus [1/8, 1500]  
 Phyll. proreg. - 1/8, 500

(14)

(11)

49

Phyll. pro. - 1/8, 150  
 1/8, 400  
 1/8, 300



Zooth. dauma [18,1000]

Sylu. eerruca -18,150

Frod. unguraki -18,150

Cecyl. saturatus [18,1000]

Pythula ~~sp.~~ sp. - 1c,100

(vii)

50

Fic. unguraki -18

Phyll. proeg. [18,100]  
[18,200]

Zooth. dauma [18,1000]

Sylu. eerr. [18,150]

Pyth. ~~sp.~~ sp. - 1c,100

(viii)

Regulus zezileus -18

Phyll. pro. [18,300] ✓  
18,500

Cecyl. canaces [18,1500] ✓

Acroth. flamma -1c,60, →

(ix) 52

Phyll. pro. [18,100] ✓  
18,500

Parus montanus -18,100

Zooth. dauma [18,1000] ✓

Cec. can. [18,1500]



*Acanthis flammea* - 1c, →

(x)

*Phyll. proregulus* - 1s, 80 16  
1s, 150

*Zooth. dauma* - 1s, 200

*Par. montanus* - 1s, 150

*Cercul. sat.* - 1s, 1500

*Turd. ruficollis* - 1c, 150

*Phyll. collyb.* - 1s, 100

(xi)

*Phyll. proreg.* - 1s

*Fring. cerulea* - 1s, 70

*Motac. godmani* - 1s, 60

*Parus leucostomus* - 1c, 100

*Microp. cerulea* - 1c, 100

*Mic. caryoc.* - 1

(xi) Valley of small stream.

1.0 3.0 5. Pic, 6

2.0 4. Bet, 7

H 16 Sky 20

Bet 50 Pic 30 Ab 5 Al 5 Sal 1 Pab 10

g 10 Vac 10 u 67 ll 10 Eq 3

(x) Slope of valley of small stream.

1.0 3.0 5. Pic, 3

2.0 4. Ab, 7

H 18 Sky 20

Pab 45 Bet 45 Ab 2 Pic 6 Sal 2

g 5 Vac 5 Eq 5 u 20 ll 65

(x) -4 -4 -4

1. Pic, 4 3. Al, 2 5. Pic, 9

2. Pic, 3 4. Ab, 2

H 18 Sky 20

Pab 35 Bet 35 Ab 15 Pic 10 Al 5

g 5 Vac 10 ll 20 u 55 Eq 10

(vii) -4 -4 -4

1. Al, 2 3. Pic, 3 5. Pic, 6

2. Ab, 3 4. Pab, 7

H 18 Sky 15

Bet 25 Pab 25 Al 1 Sal 1 Sor 1 Pic 25 Ab 25

g 5 ll 20 Vac 10 u 55 Eq 10

(vii) -4 -4 -4

1.0 3. Pic, 4 5. ~~Pic~~ 0

2.0 4. Pab, 3

H 16 Sky 20

Pab 35 Pic 50 Bet 10 Al 1 Ab 5

g 5, Vac 10, ll 20 u 55 Eq 10



(vi) 1. Pic. 7 3. Pic. 3 5. ~~Ab~~ Pic. 17

43 2. ~~Pic~~ 0 4. P. 8, 15

H 20 Sky 15

P. 50 Pic 35 Bet 10 Sor < 1 Ab 5

g < 1 Vac 5 ll 15 m ~~6~~ 75 Eq 5

(v) 1. Pic. 8 3. Pic. 8 5. Ab. 3

48 2. P. 8, 17 4. 0

H 23 Sky 15

P. 35 Pic 30 Bet 10 Sor < 1 Ab 15

g 5 ll 20 Vac 5 m ~~6~~ 65 Eq 5

(iv) 1. P. 10 3. P. 10 5. 0

47 2. Ab. 2 4. Ab. 5

H 23 Sky 10

P. 50 Pic 15 Ab 30 Bet 5

g 5 Vac 1 Eq 5 ll 20 m 69

(iii) 1. P. 7 3. 0 5. P. 12

46 2. 0 4. Ab. 10

H 18 Sky 15

P. 60 Ab 15 Bet 10 Pic 15

g 2 Vac 5 Eq 5 ll 20 m 68

(ii) 1. Pic. 5 3. Ab. 3 5. Bet. 4

45 2. 0 4. Ab. 4

H 20 Sky 10



P86 30 Pic 30 ab 30 bet 10

g 1 vac 5 ~~484~~ ll 20 m 79

44 (1) 1. bet, 5 3.0 5. Pic, 4

2. bet, 14 4. Pic, 2

H 20 Sky 20

P86 ~~40~~ 10 Pic 35 ab 30 bet 15

g 1 vac 3 ll 25 m ~~66~~ 66 Eq 5



Groups of big trees, solitary trees  
are mixed with thick shrubbery  
of bird cherry, *Syz*, *Sorbu*, *al*, *Salix*,  
as a rule near the lakes

20/VI island Elaroy  
6<sup>th</sup> abies forest + thick shrubbery (mixed)

(7)

*Turd. pilaris* - 3<sup>+</sup>

*Tur. illicia* - 4<sup>+</sup> 2<sup>+</sup> 3<sup>+</sup>

*Parus ater* - 1<sup>+</sup>

*Tur. illicia* - 1<sup>+</sup>, 70

*Fr. montif.* - 1<sup>+</sup>, 100

*Fr. coelebs* - 1<sup>+</sup>, 80

*Cuc. canor.* - 1<sup>+</sup>, 100

*Dendroc. maj.* - 1<sup>+</sup>, 70

*Falco subbuteo* - 1<sup>+</sup>, 70

*Phyll. collyb.* - 1<sup>+</sup>, 100

*Narus cauc.* - 1<sup>+</sup> 2<sup>+</sup>, 100

55

36

(1) *Caprod. erythrinus* - 1<sup>+</sup>

*Seyl. cuculica* - 1<sup>+</sup>

*Turd. illicia* [1<sup>+</sup>, 150]

*Phyll. praeq.* - 1<sup>+</sup>, 150

*Seyl. cuc.* - 1<sup>+</sup>, 200

*T. pilaris* [1<sup>+</sup>, 100]

*Cucul. sater.* [1<sup>+</sup>, 700]

*Phyll. coll.* [1<sup>+</sup>, 200] ✓?

*Cucul. can.* - 1<sup>+</sup>, 500

1<sup>+</sup>, 300

*Corvus corone* - 1<sup>+</sup>, 500

*Parus ater* - 1<sup>+</sup>, 120

*Phyll. coll.* - 1<sup>+</sup>, 100

*Tur. ill.* [1<sup>+</sup>, 200]



57  
(11) Phyll. proreg. - 1/8  
Seyl. curr. - 1/8

Cucul. can. - 1/8, 100  
T. pilaris - 2<sup>+</sup>c, 80  
Phyll. collig. - 1/8, 80  
Dendroc. maj. - 1/2, 150  
Xarus canis - 1c, 200  
Corvus corone - 1c, 300

58  
(12) Fr. collig. - 1/8  
Seyl. curr. - 1/8

Fring. mont. - 1/8, 400  
Xarus canis - 1/8, 150  
Zooth. sibir. - 1/8, 100  
Xarus canis [1c, 500]  
Fr. mont. - 1/8, 300  
1/8, 200  
Turd. pilar. - 1c, 100  
Xarus ater - 1/8, 80  
Bombycilla garrulus - 1c, 100  
Phyllos. coll. [1/8, 100]  
- 1/8, 200  
Cucul. canor. [1/8, 300] ✓?  
Corvus corone [1c, 100]  
Phyll. proreg. - 1/8, 150  
Falco subbuteo [1c, 400]  
Cucul. satur. [1/8, 500] ✓?



59 (V) Sylt. cur. - 28  
Phyll. proreg. - 18  
Icerd. pilaris - 1 pair

Phyll. coll. - 18,200  
Xarus canus - min 5<sup>+</sup> (D)  
Cicul. canorus [18,200]  
Ter. illiacus - 18,200  
Cicul. sat. - 18,1000  
18,1000

60

(VI) Dendree. uaj - 1c  
Ter. pillaris - 1c  
Xarus canus - 3<sup>+</sup>

Fr. uadif. - 18,200  
Mur. carycat. - 1c,200  
Phoeniceus phoenic. - 18,300  
Cicul. canorus - 18,1000

Sylt. cur. [18,100]  
[18,130]  
Cicul. sat. - 18,500  
Phyll. collyb. - 18,80  
Cicul. canor. [18,500]  
[18,1000]  
Callinaga sterna - 18,70  
Phyll. collyb. - 18,200

61 Noxia sp ~ 10<sup>+</sup>, →

(VII) Caprat. exyphr. - 18  
Cicul. satior - 18  
Phyll. coll. - 18

Phoenic. phoenic. [18,100]  
Fr. coelab. - 18,150  
Cicul. satior. - 18,100



Parus montan. - 18

Cucul. cauc. - 18,300  
Phyll. coll. - 18,150  
Dendrocop. maj. - 1c,70  
Fring. montifring. - 1c,100

(viii) 62  
Sylv. curr. [18] ✓?  
Coria sp. - 1c, →  
Parus cauc. - 1  
Dendrocop. calliope - 18  
Dendrocop. maj. - 1c

Turd. illiaca - 18,100  
18,100  
Phyll. coll. [18,150]  
Fr. caelebs - 18,150  
Phyll. borealis - 18,100  
Turd. pilaris - 1c,70  
Sitt. europ. - 18,150  
Cucul. cauc. - 18,150

63  
(x) Acroceph. canetor. - 18  
Phyll. coll. - 18  
Parus ater - 18

Sylv. curr. - 18,150  
Cucul. can. [18,200]  
[18,70] ✓?  
Turd. illiaca - 18,300  
Cucul. sater. [18,100] ✓?  
[18,1000] ✓?  
Turd. pilaris - 1c,70, →  
Phyll. coll. - 18,200

(x) 64  
Par. ater? - 18  
Phyll. collig. - 18  
Turd. illiaca - 1c

Sylv. curr. - 18,150  
Cucul. cauc. - 18,200  
Turd. philocelos - 18,150  
Sylv. curr. - 18,150  
Cucul. cauc. [18,400] ✓?  
Cucul. sater. - 18,70

64

(x) 1. Bet, 4 3. Ab, 6 5. Ab, 9  
2.0 4. Sor, 4  
H 20 Sky 25  
Bet 44 Ab 44 Sor 10 Bz 5 Pied Bel 5  
g 80 f 10 ll + dg 25 Eq 5

67 (ix) 1.0 3.0 5. Bet, 10  
2. Beh, 2 4.0  
Bet 50 Ab 40 Sor 5 Bz < 1 Beh 5 Psb < 1  
H 20 Sky 30

g 60 f 30 dg + all 2 Eq 8  
62 (viii) 1. Ab, 5 3.0 5.0  
2. Ab, 4 4. Sal, 4  
H 20 Sky 40  
Ab 30 Bz 5 Beh 20 Bet 10 Ab 10 Sor 10 Sal 15  
g 50 f 20 dg + ll 25 Eq 5



- 61 (vii) 1. Ab, 10 3. Al, 4 5. Pop, 10  
 2. Bel, 3 4. 0  
 ab, 20 Bel, 20 Al, 15 Sor, 10 Bet, 20 Pop, 15  
 g 80 f 5 w 5 dg + ll ~~dg~~ 9 Eq 1
- 60 (vi) 1. Bel, 4 3. 0 5. Al, 3  
 2. Pop, 4 4. 0  
 H 20 Sky 30  
 Blt 20 Pop 30 ab 8 Bel 20 Al 20 Sor 2 Bg < 1  
 g 80 f 20
- 59 (v) 1. Ab, 7 3. Sor, 2 5. 0  
 2. 0 4. Bet, 7  
 ab 50 Sor 5 Bet 20 Al 15 Bel 10  
 g 15 f 35 w 10 ll ~~ll~~ 30 Eq 10  
 H 20 Sky 20
- 58 (iv) 1. ab, 3 3. ab, 5 5. al, 4  
 2. ab, 12 4. ab, 7  
 H 20 Sky 10  
 ab 40 Bet 15 Bel 15 Sor < 1 Al 30  
 g 40 f 1, w 5, w 5, ll + dg 48, Eq 1
- 57 (iii) 1. ab, 4 3. ab, 4 5. al, 4  
 2. ab, 2 4. 0  
 H 20 Sky 20  
 ab 60 Sor 3 Al < 1 Al 17 Bet 10 Sal 10  
 g 10 f 30 w 10 ll + dg ~~ll~~ 40 Eq 10



56 (11) 1.0 2.0 5. Bet 10

2. Al, 3 4. Bel, 3

Hix Sky 15

Al 30 Bet 20 Ab 20 Bel 10 Pop 20 Ser 1

55 9 10 f 30 Eq 3 u 2 w + ll 55

(12) 1 Al, 7 3 Ab, 12 5. Al, 5

2.0 4. Ab, 3

H 21 Sky 15

Al 45 Ab 40 Bet 9 Hz 1 Bel 5

9 30 f 20 Eq 10 ll 40



Island Kasovskiy, rivers Saru~~ha~~ and  
Proklyetaya, near vill. Ptouke,  
Novogardovo!

24/VI  
river Saru~~ha~~ taiga

(I) 5 <sup>16</sup>  
65 Phyll. proreg. - 18

Cucul. canor. - 18, 200  
dusc. eyau - 18, 200  
Phyll. proreg. - 18, 200  
Parus mont. - 18, 80  
Caprod. erythr. - 18, 150

Spiceus spiceus - 18, →

Phyllosc. coll. - 18, 150

(II) 5 <sup>34</sup>  
66 Fr. montifr. - 18

Phyll. proreg. - 18, 100  
[18, 200] ✓?

Cucul. canor. - 18, 80

Parus montan. - 18, 60

Fring. coelebs - 18, 100  
18, 200

Dendrocy. major - 18, 100

Parus mont. - 18 ✓

Loxia sp. - 18, 80



③ 6<sup>14</sup>  
67

X. cyane - 18,100  
 Phyll. prog. - 18,150  
18,200  
 Parus mont. - 18,200  
 1c,60  
 C. canor. 18,400  
 Phyll. prog. 18,150 ✓?  
 C. sat - 18,400

68 ④ 6<sup>31</sup>  
 X. cyane - 18  
 Parus mont. - 1

X. cyane 18,70  
 Phyll. prog. 18,70 ✓  
18,150

69 ⑤ 6<sup>53</sup>  
 Parus mont. ? - 1c

Phyll. prog. 18,100  
 18,100  
 18,20  
 X. sibilans - 18,500  
 X. cyane 18,150  
 Dend. wj. - 18,150  
 Phyll. prog. - 18,80  
 Sit. europ. - 1c,100  
 18,100



70 (VI) 7<sup>07</sup>  
 Phyll. proz.  $\boxed{14/1?}$  }  $\boxed{+ \text{Phyll. proz. } 18,300}$   
 Phyll. proz. - 18,300

71 (VII) 7<sup>19</sup>  
 Phyll. proz. - 18 }  $\boxed{\text{Phyll. proz. } 18,300}$   
 18,300

72 (VIII) 7<sup>32</sup>  
 Piceoides tri-dact. - 102 }  $\text{Phyll. proz. - } 18,80$   
 18,150  
 18,200  
 18,100  
 Phyll. tochlorides - 18,150

73 (IX) 7<sup>45</sup>  
 Piceus ater - 28 }  $\text{Phyll. proz. } \boxed{18,100/1?}$   
 Phyll. proz.  $\boxed{+ 18}$   
 Picea sp. - 10, - }  $\text{Piceus montaneus - } 18,100$

74 (X) 7<sup>49</sup>  
 Piceus montan.  $\boxed{18,100}$   
 Phyll. proz. - 18,150  
 18,200  
 Piceus ater  $\boxed{18,100}$   
 18,100  
 Phyll. proz.  $\boxed{18,150}$



75 (XI) 8<sup>13</sup>  
 Phyll. pror. - 18

{	Phyll. pror. <span style="border: 1px solid black; padding: 2px;">18,200</span>
	18,250
	<u>Parus ater - 18,150</u>
	Corra sp. - 18,100, →?
	Merf. car. - 18,200

76 (XII) 8<sup>32</sup>

{	Phyll. pror. <span style="border: 1px solid black; padding: 2px;">18,60</span>
	18,100
	18,200
	<u>Tarsiger cyaneus - 18,200</u>

Island Kasovskiy

76 (XII) 1. ab, 4      3 ab, 5      5 ab, 3  
                  2. ab, 3      4. ab, 7

H 18 Sky 10  
 ab 5 Pic 88 Sor 5 ab 2  
 g to f to vac 40 ll to 1130

75 (XI) 1. 0      3 ab, 5      5. ab, 13  
                  2. ab, 6      4. ab, 10

H 19 Sky 15  
 Pic 3 Sor 7 ab 2 ab 88  
 g 20 f 50 vac 20 ll 3 117



74 (X) 1.0 3 Bet, 8 5. Pic, 10  
 2 Ab, 13 1 Ab, 12  
 H 22 Sky 15  
 Psb 5 Bet 2 Sor 8 Alr 4 Pic 5 Ab 26  
 9 15 Vac 30 ll 2 u 15 f 48

73 (II) 1. Ab, 5 3.0 5. Ab, 5  
 2. Sor, 3 4. Sor, 3  
 H 20 Sky 15

Pic 5 Sor 8 Bet 1 Psb 1 Ab 85  
 9 20 Vac 20 ll 10 u 1 Ep < 1 f 49

72 (III) 1. Ab, 8 3 Sor, 2 5.0  
 2. Psb, 6 4. Bet, 13  
 H 21 Sky 15

Sor 5 Bet 14 Psb 1 Alr 1 Ab 79  
 9 45 f 40 u 15 ll 5 Vac 5

71 (II) 1. Ab, 11 3. Ab, 6 5. Sor, 5  
 2. Sor, 7 4.0  
 H 20 Sky 15

Sor 2 Bet 30 Pic 3 Ab 60  
 ll 2 u 2 g: f = 96/2

(LI) 1.0 3.0 5.0  
 70 2. Ab, 5 4. Bet, 15

H 18 Sky 15  
 Bet 10 Sor 5 Ab 85  
 9 35 f 15 u 20 ll 15 Vac 15

69 (I) 1. Sor, 4 3 Ab, 6 5. Ab, 4  
 2. Ab, 6 4.0

H 18 Sky 15  
 Ab, 90 Bet 5 Sor 5

9 30 f 30 u 25 Vac 10 ll 5

68 (II) 1. Ab, 3 3 Ab, 3 5. Sor, 3  
 2. Ab, 4 4.0

H 16 Sky 10  
 Bet 5 Sor 8 Pic 2 Ab 85

9 20 f 20 u 20 Vac 20 ll 20  
 A lot of small Abies (h = 1.5 - 3 - 5 m)

67 (III) 1. Ab, 5 3 Ab, 3 5. Ab, 12  
 2.0 4 Ab, 3

H 19 Sky 20  
 Alr 2 Sor 4 Bet 2 Pic 2 Ab 90  
 9 20 f 41 u 10 Vac 1 ll 30

-4-4-4-  
 66 (I) 1. Ab, 6 3. Ab, 2 5. Ab, 4

2.0 4.0  
 H 20 Sky 20



Pic 5 Bet 5 Sor 5 Pic 85  
 925 f 25 - 1000 into 1125  
 -4-4-

65 (1) 1. Ab. 3 3. Ab. 4 5. Ab. 3  
 2. Ab. 2 4. Ab. 6

H 17 Sky 20

Ab 60 Bet 30 Aler 3 Sor 3 Pic 2 Sal 2

920 f 60 into 1110

Steep slope, some Salix of river  
 Surmika, more shrubbery, it is wet.

25/V Right bank, Betula forest  
 against vil. Phomka

77 (I) 6<sup>05</sup>

Lox. sp. - 1c, →

Phyll. proreg. - 1s, 150

Pyrrhula sp. - 1c, 150

Parus ater - 1s, 100

Cerulus canorus - 1s, 100

78 (II) 6<sup>25</sup>

Dusc. cyane - 1s

Dusc. cyane - 1s, 70

Milv. migrans - 1c, 100

Sitta europ. - 1c

79 (III) 6<sup>40</sup>

Dusc. cyane - 1s

Phyll. proregulus 1s

Fring. coelebs - 1s, 70

Dusc. cyane - 1s, 100

80 (IV) 6<sup>55</sup>

Fring. coelebs 1c, 100

Dusc. cyane 1s, 80

1s, 100

Phyll. proreg. - 1s, 150



31  $7^{10}$  (V)  
*Nusc. cyane* - 18

*Nusc. cyane* [18, 150]  
*Phyll. proregulus* - 18, 300

32  $7^{22}$  (VI)  
*Fring. coelebs* - 18

*Phyll. proregul.* - 18, 100  
*Fring. montifr.* - 18, 150  
*Nusc. cyane* [18, 150]

33  $7^{33}$  (VII)  
*Parus ater* - 18

*Circul. caucurus* - 18, 500  
*Fring. montifr.* - 18, 200  
*Phyll. proreg.* - 18, 100

34  $7^{45}$  (VIII)  
*S. f. eur.* - 1 brood/ad. juv

*Fring. montifr.* [18, 100]  
*Nusc. cyane* - 18, 70

35  $8^{11}$  (IX)  
*Fring. montifr.* - 18  
*Phyll. proreg.* - 18  
*Nusc. cyane* - 18

*Phyll. trochiloides* - 18, 80  
*Circul. caucurus* - 18, 200  
*Merl. obscurus* - 18, 100  
*Phyll. proreg.* - 18, 200  
*Parus ater* - 18, 100

36  $8^{17}$  (X)

*Circul. caucurus* [18, 100]  
*Nusc. cyane* - 18, 100  
*Fring. montifr.* - 18, 200  
*Parus ater* [18, 80] ✓?

vil Phowka

(X) 1 Bet, 7 3. Bet, 5 5. Ab, 4  
 86 2. Ab, 3 4. Pop, 11  
 H 23 Sky 10  
 Bet 35 Ab 25 Sor 5 Pop 35  
 g 25 f 50 w 5 ll 20

~~Layer 1~~ I layer - Betula;

85 (IX) 1. 0 3 Ab, 2 5. Ab, 3  
 2. Ab, 2 4. Ab, 2  
 H 25 Sky 5  
 Bet 20 Ab 65 Pop 10 Sor 5  
 g 22 f 50 Pop 25 w 3

Abies is only in second and third layers (but thick as a rule)

84 (VIII) 1. Ab, 2 3. 0 5. Ab, 3  
 2. Bet, 19 4. Bet, 7  
 H 22 Sky 15  
 Ab 50 Bet 20 Pop 30  
 g 60 f 30 ll 10



83 (iii) 1. ab, 2      3. Pop, 17      5. ab, 4  
2. Pop, 17      4. ab, 3  
H 23      Sky 20

Bet 30 Pop 30 ab 40  
g 30 m 5 f 40 ll 20 vac 5

82 (ii) 1. Bet, 4      3. ab, 2      5. ab, 3  
2. Bet, 6      4. ab, 2  
H 21 Sky 20  
Bet 39 ab 30 Pop 30 Sor 1  
g 40 f 40 ll 20  
-4-4-

(i) 1. ab, 4      3. Bet, 3      5. Bet, 5  
2. Bet, 4      4. 0  
H 11 Sky 15

Bet 50 ab 20 Pop 25 P 8 v 5  
g 25 vac 20 ll 5

~~Steepe slope~~ -4-4- (+ Steepe slope)

80 (iv) 1. Pop, 4      3. ab, 2      5. Bet, 10  
2. Bet, 3      4. Bet, 9  
H 17 Sky 20

Bet 50 Pop 40 ab 10  
g 30 vac 40 ll 10 f 20  
-4-4-

79 (iii) 1. ab, 3      3. 0      5. ab, 4  
2. ab, 3      4. ab, 4  
H 20 Sky 20

ab 35 P 8 v 5 Bet 40 Pop 20 Sor 3 Pic 2  
g 25 f 25 ll 25 vac 25

78 (ii) 1. Pop, 12      3. Bet, 10      5. ab, 4  
2. Pop, 10      4. Bet, 15  
H 23 Sky 20

Bet, 40 Pic 15 Pop 20 ab 10  
g 50 f 10 eq 10 ll 30  
-4-4-

77 (i) 1. Pic, 4      3. Pop, 10      5. Bet, 3  
2. Pop, 10      4. Bet, 6  
H 19 Sky 15

Bet 40 Pop 40 Pic 20 ab 10 P 8 v 5  
g 60 ll 30 eq 10  
-4-4- (+ steep slope)



26/5 Island near v. t Phouka  
 Flood plain; 30 to 40 along the  
 Eusey.

87  
 6<sup>12</sup>

(i) *Acrida* - 1/8  
*Phyll. borealis* - 1/8

*Sylvia borin* - 1/8, 70  
*Cerculus canorus* - 1/8, 500  
*Phyllosc. collyb.* - 1/8, 100

88

6<sup>59</sup>

(ii) *Musc. calliope* - 1/8  
*Regithalos caudatus* - 1 pair  
*Phyll. collyb.* - 1/8

*Sylv. borin* [1/8, 100]  
*Cercul. canorus* - 1/8, 1000

89

7<sup>14</sup>

(iii) *Musc. calliope* - 1/8  
*Sylv. borin* - 1/8  
*Phyll. inornatus* - 2e

*Phyll. coll.* - 1/8, 70  
*Cercul. canorus* [1/8, 1000]  
*Pyrrhula sp.* - 1e, 100  
*Dendrocop. maj.* - 1e, 70  
*Turd. philomelos* - 1/8, 100  
*Aceroph. elaeagnus* - 1/8, 100  
*Fringill. coelebs* - 1/8, 150  
*Sylv. curruca* - 1/8, 100

90 7<sup>30</sup>

*Phyll. coll.* - 1/8

*Cercul. canorus* [1/8, 500]  
 1/8, 100

[1/8, 1000]

*Phyll. coll.* - 1/8, 100  
*Phyll. inornatus* - 1e, 100  
*Pyrrhula sp.* - 1e, 100

91

7<sup>44</sup>

*Phylloscop. fuscatus* - 1/8  
*Corvus corone* - 1 pair, com  
*Sylvia curruca* - 1 pair, com

*Cercul. canorus* [1/8, 500]  
*Dendrocop. maj.* - 1e, 80  
*Phyll. collyb.* - 1/8, 70  
*Falco subbuteo* - 1 com, 70  
*Sylv. borin?* - 1/8, 200

92

8<sup>04</sup>

*Sylv. borin* - 1/8

*Cercul. canorus* [1/8, 500]  
 [1/8, 400]  
 [1/8, 200]

*Phyll. coll.* - 1/8, 100  
*Fring. montif.* - 1/8, 100  
*Sylv. curruca* - 1/8, 200

*Tringa ochropus* - 1/8, →



(VI) 8<sup>18</sup>

Corvus corone - 1 pair

93

Sylv. borin [18, 150]

Cucul. canorus [18, 150]

Myi. coll. - 18, 150

Acroceph. dumet. - 18, 80

Cucul. canorus [18, 1000]?

(VII) 1. Bel, 2 2. Sal, 4 5.0

93 2. Al, 3 4.0

H 20 Sky 20

Pop 25 Bet 45 Bel 15 Al 25 Sal 15 Bz 5

f 50 g 40 ll 10

92 (VI) 1. Pop, 11 3. Pop, 4 5. Pop, 13

2. Pop, 16 4. Pop, 12

H 17 Sky 25

Pop 40 Bel 20 Sal 5 Bz 5 Bet 5 Al 25

ll 5 g = f = 95/2

91 (V) 1.0 3. Bel, 3 5. Bet, 10

2. Bel, 3 4. Bet, 15

H 22 Sky 20

Bel 30 Al 15 Sal 15 Bet 30 Pop 5 Al 5

ll 10 g = f = 45

90 (IV) 1.0 3. Bet, 7 5. Bel, 3

2. Pop, 15 4. Bz, 2

H 23 Sky 20

Pop 30 Bet 20 Al 25 Bel 25 Al 5 Bz 5 Sor 1

g 50 f 50 ll 1

(III) 1.0 3. Bel, 3 5.0

39 2.0 4. Sal, 3

H 23 Sky 25

Sal 20 Bel 20 Bet 20 Pop 20 Al 15 Bz 5

g 70 f 30 ll 1

98 (II) 1.0 3.0 5. Sal, 3

2.0 4. Bel, 3

H 17 Sky 50

Sal 25 Bel 25 Pop 40 Bz 5 Al 5

g 70 f 30

87 (I) 1. Sal, 4 3. Sal, 6 5. Sal, 2

2. Sal, 4 4. Bel, 2

H 6 Sky 20

Sal 50 Al 25 Bel 25

f 20 ll 5 w 5 g 70



28/11 left bank, taiga

(i) 5<sup>53</sup>

Corvus corax - 1  
Corvus corone - 1

94

Phyll. proreg. - 18,100  
18,300

Musc sibil - 18,150  
Fring mont. fr. - 18,200  
Circul. canorus - 18,100

Parus montan. - 18,200

95

(ii) 6<sup>14</sup>

Phyll. proreg. [18]  
Par. mont. - 18  
Sitta europ. - 1c

Phyll. proreg. - 18,100  
18,400

Circul. canor. [18,500] ✓?  
Muc. carpocat. - 18,300  
Musc. sibilans - 18,500  
Phyll. proreg. - 18,  
Circul. saturat. - 18,1000  
Sitt. europ. - 1c,100

96

(iii) 6<sup>27</sup>

Phyll. pro. [18]  
Mucif. carpocat. - 1c

Phyll. pro. - 18,150  
~~Mucif. carpocat.~~ [18,150] ✓?  
18,200  
Circul. satur. [18,1000]

Parus mont. - 18,200

Circul. canorus [18]

97

(iv) 6<sup>43</sup>

Sitta europ. - 1c

Phyll. proreg. - 18,70  
18,300

[18,150]  
Sitt. europ. - 1c,70  
Parus mont. - 18,100

98

(v) 6<sup>58</sup>

Phyll. pro. 18

Phyll. proreg. - 18,70

[18,150] ✓?  
Circul. satur. [18,1500] ✓?  
Circul. canor. [18,1500] ✓?

99

(vi) 7<sup>13</sup>

Phyll. proreg. - 18

Phyll. pro - 18,200

Par. ater - 18,100

Circul. canor. [18,1000] ✓?  
Phyll. proreg. [18,200] ✓?  
Parus mont. - 1c,150



93 (vi) 1.0 3. Ab, 7 5.0

2. Sor, 4 4. Ab, 3

H 20 Sky 20

Pic 20 Ab 20 Sor 19 Bet 1 Bet 20 Psb 20

98 9 20 f 15 u 20 ll 15 Vac 20 Eq 20

(v) 1. Ab, 4 3. Pic, 18 5 Ab, 10

2. Ab, 7 4.0

H 20 Sky 15

Ab 35 Sor 20 Pic 20 Bet 20 Psb 5

97 9 10 f 15 Eq 20 Vac 5 u 10 ll 10

(iv) 1.0 3. Ab, 4 5. Ab, 10

2. Bet, 2 4. Sor, 3

H 21 Sky 10

Ab 40 Sor 20 Pic 15 Psb 5 Bet 20

96 9 10 Eq 20 f 15 Vac 5 u 30 ll 20

(iii) 1. Ab, 4 3.0 5.0

2. Ab, 2 4.0

H 21 Sky 20

Ab, 40 Sor 20 Pic 15 Bet 20 Vac 5

95 9 5 Eq 30 f 10 Vac 5 u 40 ll 10

(ii) 1 Ab, 2 3 Ab, 4 5.0

2.0 4. Ab, 4

H 20 Sky 20

Ab 35 Bet 15 Sor 15 Psb 15 Pic 20

94 9 10 f 10 Eq 40 ll 15 u 20 Vac 5

(v) 1.0 3. Sor, 5 5. Pic, 20

2. Ab, 5 4.0

H 23 Sky 20

Ab 30 Sor 20 Bet 30 Pic 10 Psb 10

9 30 Vac 1 Eq 1 f 20 ll 10 u 40



2/VI Right bank, ~~against 1st Kasovskiy~~  
Betula - forest.

(i) 5<sup>17</sup>  
 100

Actithis hypoleuca - 1c, 150

(ii) 5<sup>30</sup>  
 101

Fring. montif. - 1c, 100 } Dendroop martius - 1c, 100

(iii) 102 5<sup>45</sup>

Dendroop major - 1c }  
 Loxia sp. - 1c, →

(iv) 5<sup>59</sup>

103 Parus ater - 1 pair, con } Phyll. proreg. - 1s, 100  
 Parus ater - 1c, 70  
 Parus ater - 1s } Fr. coelebs - 1s, 100

(v) 6<sup>28</sup>

104 Fring. montif. - 1s } Parus ater - 1s, 150  
 Phyll. proreg. f 1s } Fr. coelebs - 1s, 200  
 Parus ater - 1s } Nuc. caryoc. - 1c, 300  
 Phyll. proreg. - 1s, 200

(vi) 6<sup>41</sup>

105 Fring. coelebs - 1s  
 Parus montanus - 1s

Fring. montif. - 1s, 100  
 Phyll. proreg. - 1s, 200  
 Nuc. caryoc. - 1s, 150  
 Parus mont. - 1s, 70  
 Parus ater - 1s, 100

106

(vii) 7<sup>11</sup>

Loxia sp. - 1c, →  
 Sitta europ. - 1c  
 Par. ater

Fring. coelebs - 1s, 60  
 P. ater [1s, 100]  
 Sitta europ. - 1c, 60  
 Nuc. caryoc. - 1s, 100  
 Fring. coelebs - 1s, 60

[1s, 150]  
 [1s, 150]

Fring. montif. - 1s

Sitta europ. - 1c, 70  
 Nuc. obscurus - 1s, 70

107 (viii) 7<sup>25</sup>

Sitta europ. - 1c

Phyll. proreg. - 1s, 100  
 Zoothera dauma - 1s, 1000  
 Fring. montif. f 1s, 200 }  
 Nuc. caryoc. [1s, 300]  
 1s, 100

Fr. coelebs f 1s, 100 }?



108 (X) 7<sup>40</sup>  
 Vasc. cyane [18]

Dendroc. maj - 1 tr, 70  
 Vasc. cyane - 1 s, 100  
 Loric. sp - 1 c, 100, →  
 Sitta europ - 1 c, 60

108 (X) 7<sup>Σ?</sup>

Phyll. proeg. - 1 s, 100  
 1 s, 200  
 Fring. mont. - 1 s, 150  
 Vasc. cyane [1 s, 150]  
 Sitt. europ - 1 c, 80  
 S. p. s. s. p. - 1 c, 70, →

109 (X) 1 ab, 4 3. Pop, 15 5. ab, 3  
 2. Pop, 10 4. ab, 3  
 H 20 Sky 10

ab 80 Bet 14 Pop 5 Sor 1  
 g 33 f 33 Pop 33 Eq 1

~~I layer~~ I layer - Betula, Populus  
 abies, only in II-III  
 layers, but some times thick.

108 (IX) 1. Pop, 13 3. ab, 2 S.O  
 2. Bet, 15 4. ab, 2  
 H 23 Sky 10

ab 29 Bet 30 Pop 40 Sor 1  
 f 20 Pop 10 Vasc 5 g 65  
 -4-4-

(VIII) 1 ab, 2 3. ab, 3 5. ab, 3  
 2. ab, 2 4. Sor, 7

H 23 Sky 10  
 ab 60 Bet 34 Sor 1 Pop 5  
 f 40 u 1 g 20 ll 19  
 -4-4-

106 (VII) 1.0 3.0 5. Sor, 3  
 2. Sor, 2 4. ab, 4

H 20 Sky 15  
 Bet 40 ab 50 Sor 8 Pic 1 Pop 1  
 f 60 g 35 ll 5  
 -4-4-

105 (VI) 1. Bet, 10 3. ab, 4 5. ab, 15  
 2.0 4. ab, 4

H 21 Sky 10  
 ab 40 Bet 50 Pic 5 Sor 5  
 g 50 f 30 u 5 ll 10 Eq 5  
 -4-4-

104 (V) 1 Sor, 6 3.0 5. Bet, 10  
 2. Pop, 12 4. ab, 2



H 21 Sky 13  
 Ab 30 Bet 40 Sor 5 Pop 30  
 f 25 Pop 5 g 20  
 - 4 -

103 (iv) 1. Ab, 3      3. Ab, 3      5. Ab, 5  
 2. Pop, 13      4. Pop, 4  
 H 23 Sky 15  
 Bet 20 Ab 19 Sor 1 Pop 60  
 g 20 f 75 ll 5  
 - 7 - 4 -

102 (iii) 1. Sor, 4      3. Pop, 15      5. Bet, 15  
 2. Pop, 12      4. Pop, 10  
 H 23 Sky 10  
 Bet 23 Ab 2 Sor 10 Pop 65  
 g 95 ll 5

~~Clear Betula-Populus forest almost without Abies~~  
 Clean Betula-Populus forest almost without Abies

(ii) 1. Pop, 10      3. Sor, 2      5. Pop, 10  
 2. Pop, 15      4. Bet, 2  
 H 21 Sky 10  
 Pop 65 Bet 13 Ab 1 Sor 10 Bet 10  
 g 80 Eq 20 ll 1

- 4 - 6 - 4 -

100 (i) 1. Pop, 17      3. Pop, 15      5. Bet, 4  
 2. Pop, 15      4. Pop, 10  
 H 23 Sky 10  
 Pop 60 Bet 30 Sor 8 Ab 1 Bet 1  
 g 20 ll 20  
 - 4 - 4 -

However snapdragon. This is an example  
 a. blending      b. incomplete dominance  
 d. both a and b      e. all of the above

Matching:

- 6. Both alleles are expressed in the heterozygote
- 7. Two or more genes with additive effect
- 8. Single gene with multiple phenotypic effects
- 9. Proportion of individuals that express a trait
- 10. One gene masks the expression of another
- a. expressivity
- b. autotrophy
- e. age-linked
- f. phenocopy
- i. dihybrid cross
- j. test cross
- m. lethal recessive
- n. penetrance
- q. incomplete dominance



Russ Greenberg

202-673-4908



H 21 Sky 13  
 Ab 30 Bet 40 Sor 5 Pop 30  
 f 25 Pop 5 g 20  
 - 4 -

103 (iv) 1. Ab, 3      3. Ab, 3      5. Ab, 5  
 2. Pop, 13      4. Pop, 9  
 H 23 Sky 15  
 Bet 20 Ab 19 Sor 1 Pop 60  
 g 20 f 75 ll 5  
 - 7 - 4 -

102 (iii) 1. Sor, 4      3. Pop, 15      5. Bet, 15  
 2. Pop, 12      4. Pop, 10  
 H 23 Sky 10  
 Bet 23 Ab 2 Sor 10 Pop 65  
 g 95 ll 5

~~Clear forest almost without Abies~~  
 Clean Betula-Populus forest almost without Abies

(ii) 1. Pop, 10      3. Sor, 2      5. Pop, 10

101 2. Pop, 15      4. Bet, 2

H 21 Sky 10

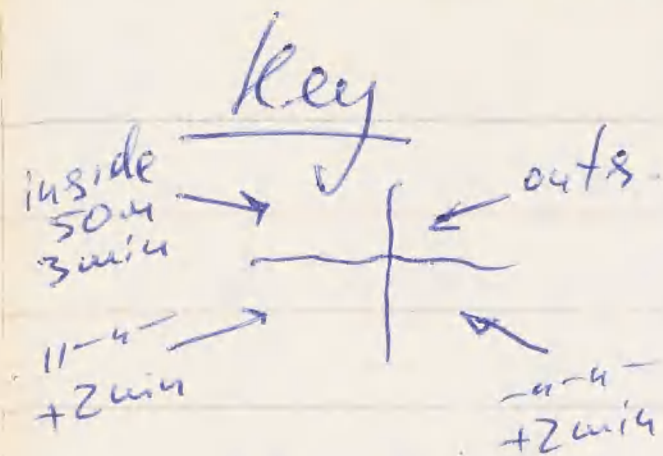
Pop 65 Bet 13 Ab 1 Sor 10 Bet 10

g 80 Eq 20 ll 1

- 4 - 6 - 4 -

100 (i) 1. Pop, 17      3. Pop, 15      5. Bet, 4  
 2. Pop, 15      4. Pop, 10  
 H 23 Sky 10  
 Pop 60 Bet 30 Sor 8 Ab 1 Bet 1  
 g 20 ll 20  
 - 4 - 4 -





Scientific name - by Crenan, 1990 / Karanor was, CCRP

- 1s - 1 singing bird, or
- 1c - 1 calling bird
- 2s - 2 different birds (singing or or)
- 2c - " " " " " "
- 2+c - 2 birds, which are together (maybe - pair, may be not)
- cc - calls of some birds
- 1 - 1 bird (I saw)
- 2+ (3+...) - birds, which are together, I saw
- 1 or - I saw or (but no sing.)
- 1 tr - trills of 1 Dendroscopus, Picoides, Drycop,
- fly fly
- 2 - fly around me
- sp. (for example, Loxia sp.) - I don't know the species
- 2±/3±... - may be together (pair, group), may be - not



1 cou (pair, cou) - 1 bird is worried (pair is ....)  
(50 m?) - I don't know exactly the bird is  
inside or outside

18, 60 - distance to singing bird  $\approx$  60m  
(begin to wake from 13/VI)

18, 60 - The bird a song 14 points  
before from 13/VI  
I am not sure that I heard this bird.  
→ The bird fly from outside to  
inside

al/al - Alnus or Alnusaster

al - Alnus

alr - Alnusaster

Psr - Picea sibirica

Psb - Picea sibirica

Pic - Picea

ab - Abies

Bet - Betula

Pop - Populus tremula

Bel - Bird cherry

Sal - Salix

Xar - Xarix

Sor - Sorbus

by (bys) - byzania (Sambucus)

dg - dry grass

ll - leave litter

g - grass

var. V. uross

w - water

eq - Equisetum

f - fir

vac - Vaccinium

for example:  $\frac{g 10 ll 20}{70} = \%$

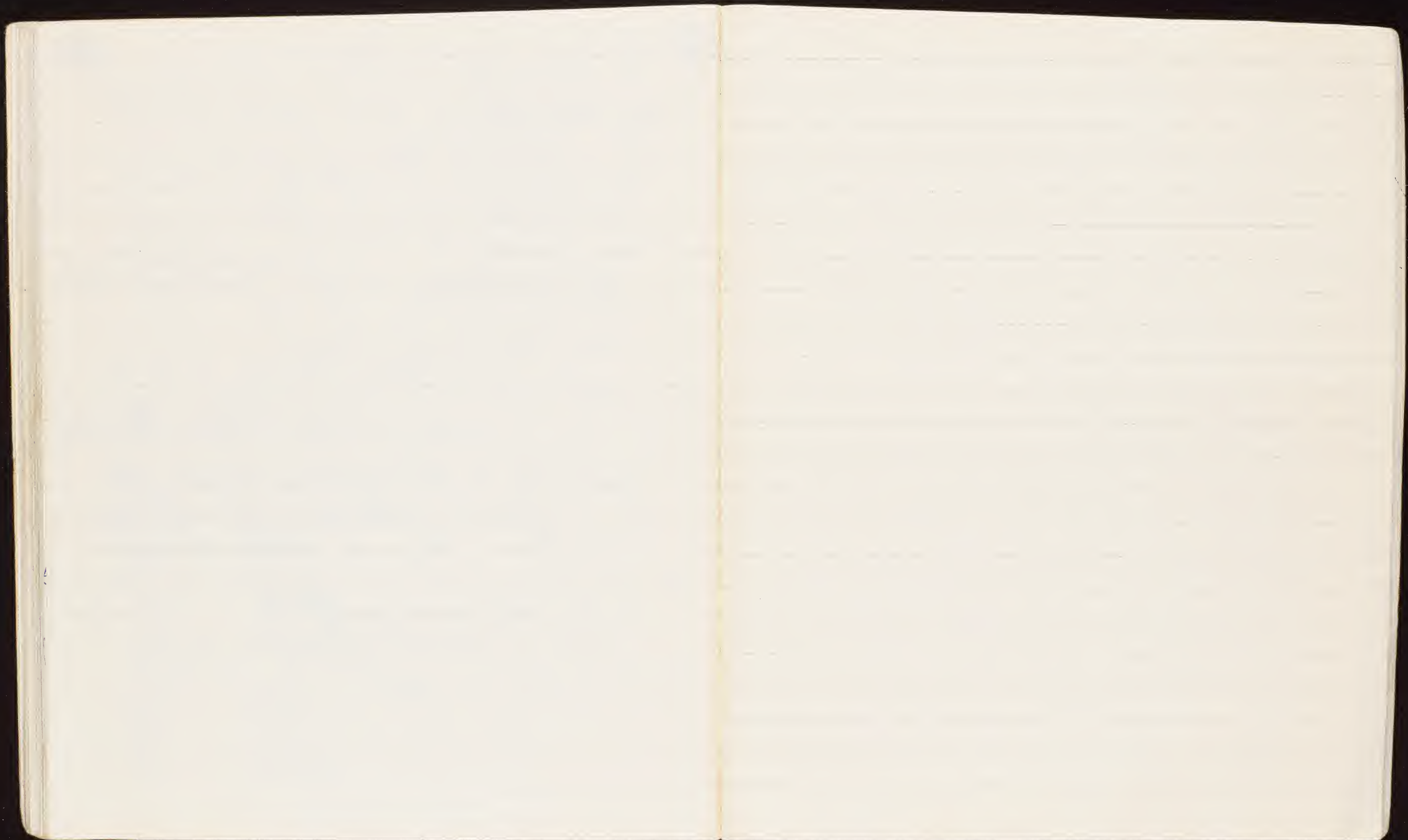
u 70 (g 30 ll 40) - under the water

\* grass = eq, f, vac and other small green  
plants - 7/VI, 9/VI, 13/VI, 16/VI, 18/VI.  
Then - begin to ~~differs~~ distinguish.

\* In the first point count (7/VI)

used gaps within canopy outline of  
tree - part of 'gap'







Corvus corone - CORCOR

CORVAX

CORCOX





M



B



B

*Sambucus*

А. О. „Бумизделия“